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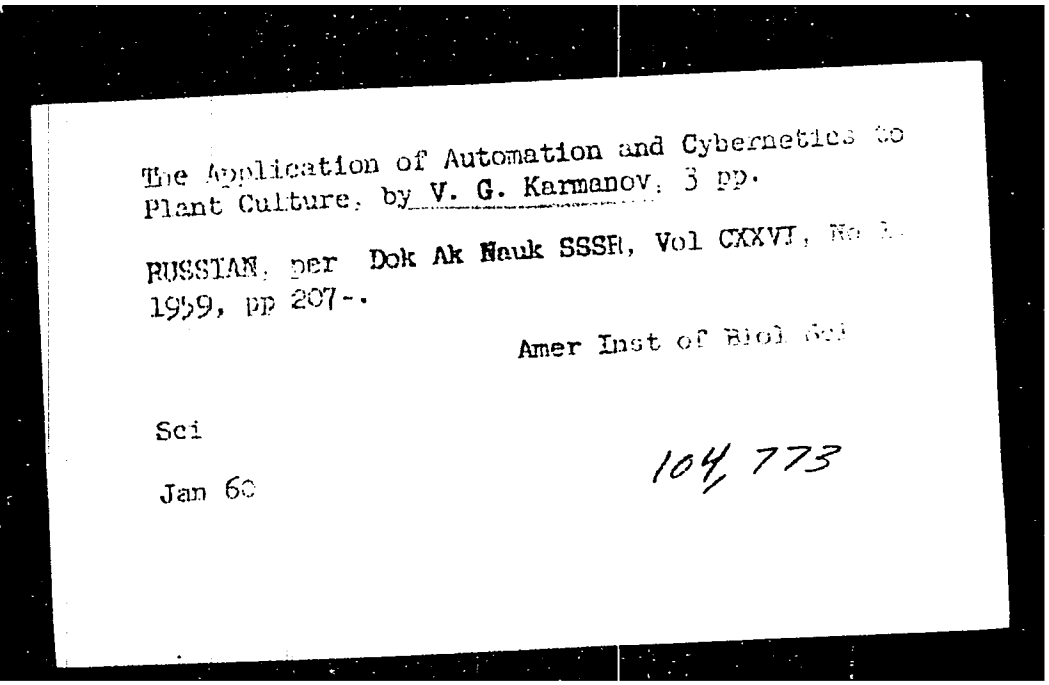

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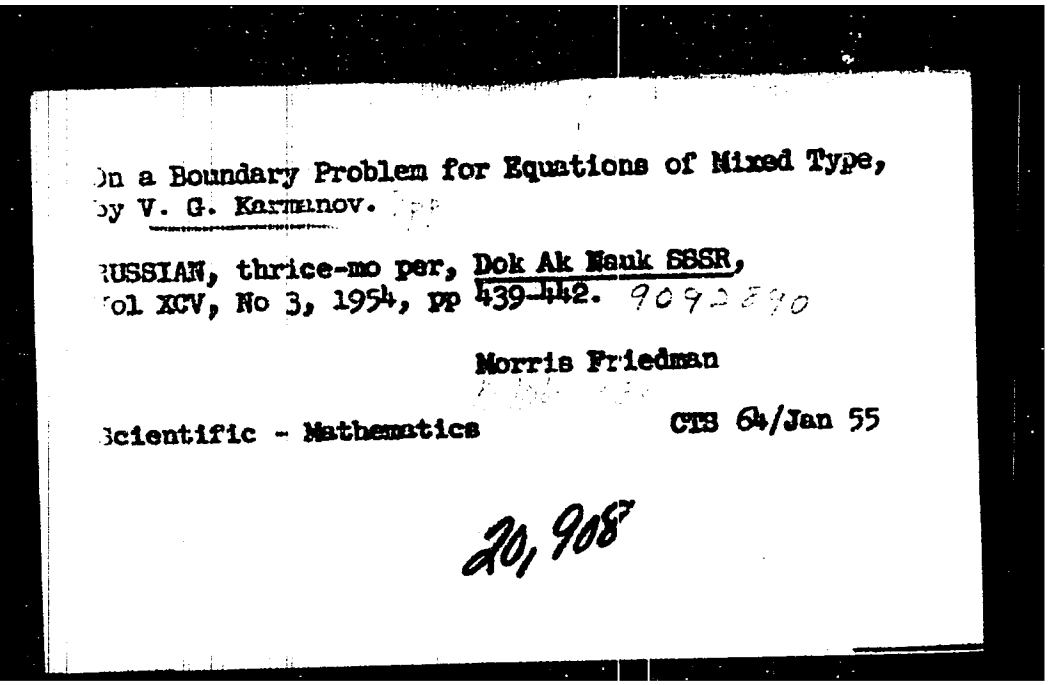

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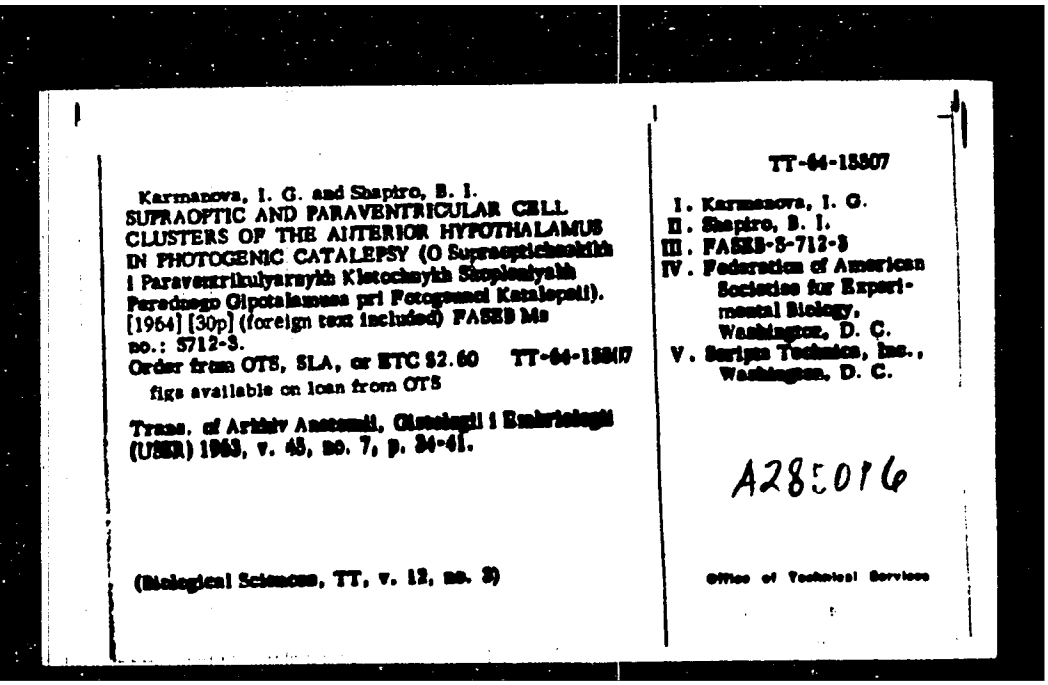

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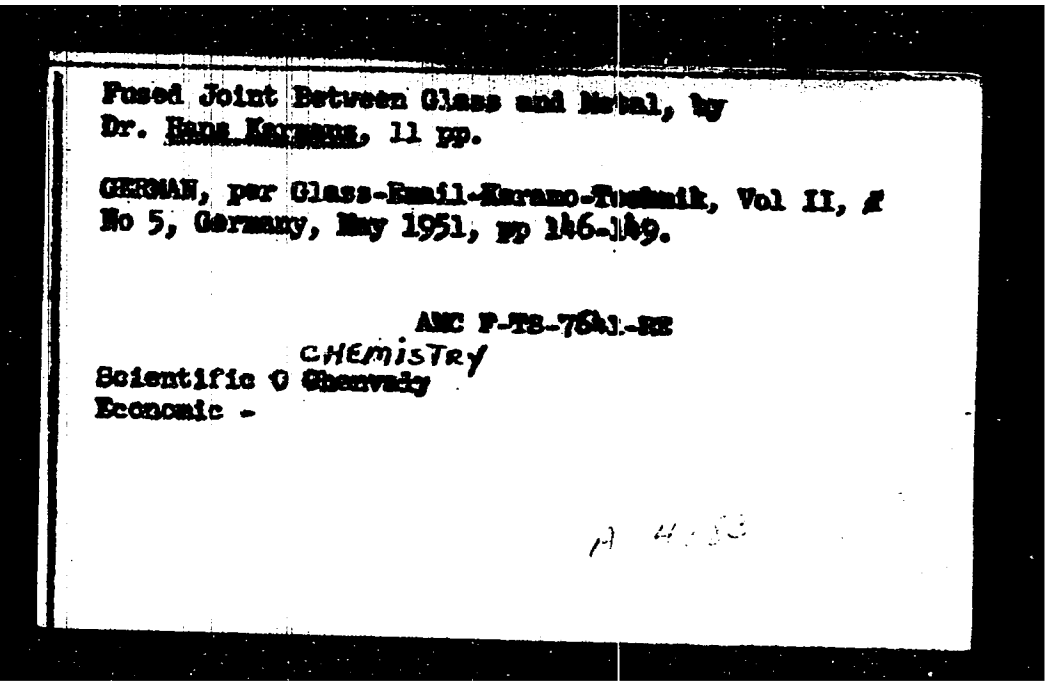

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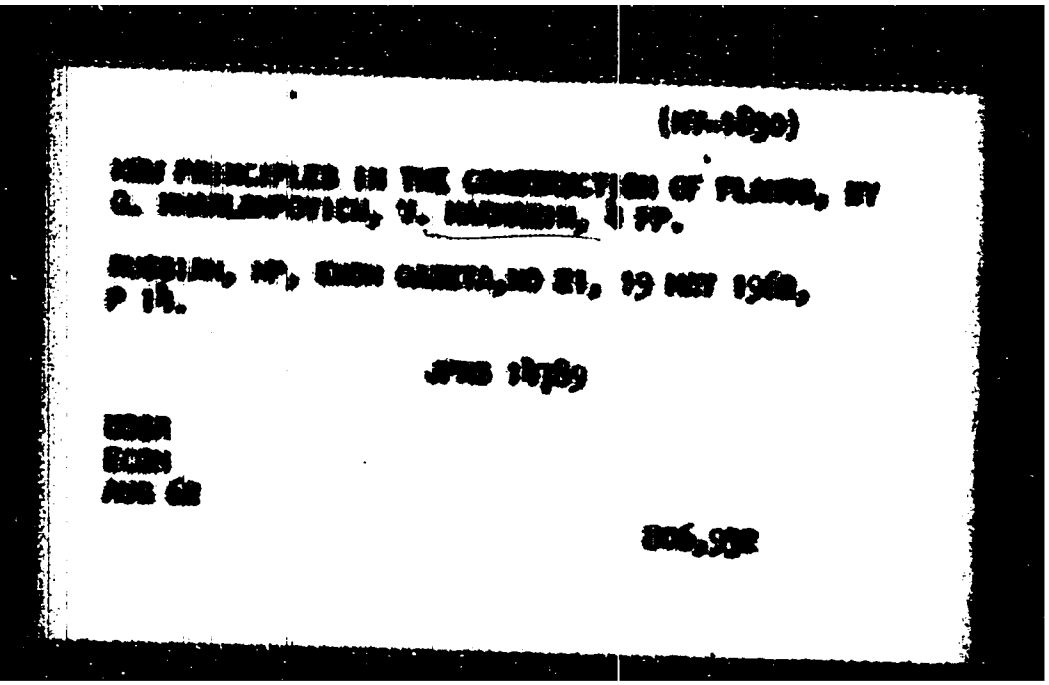

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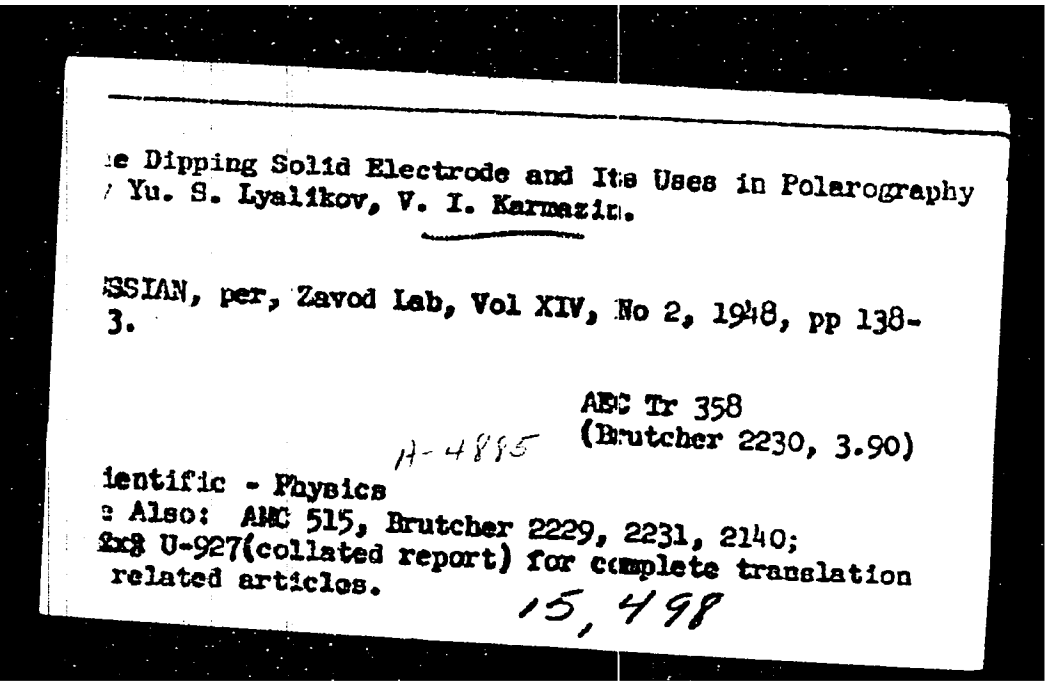

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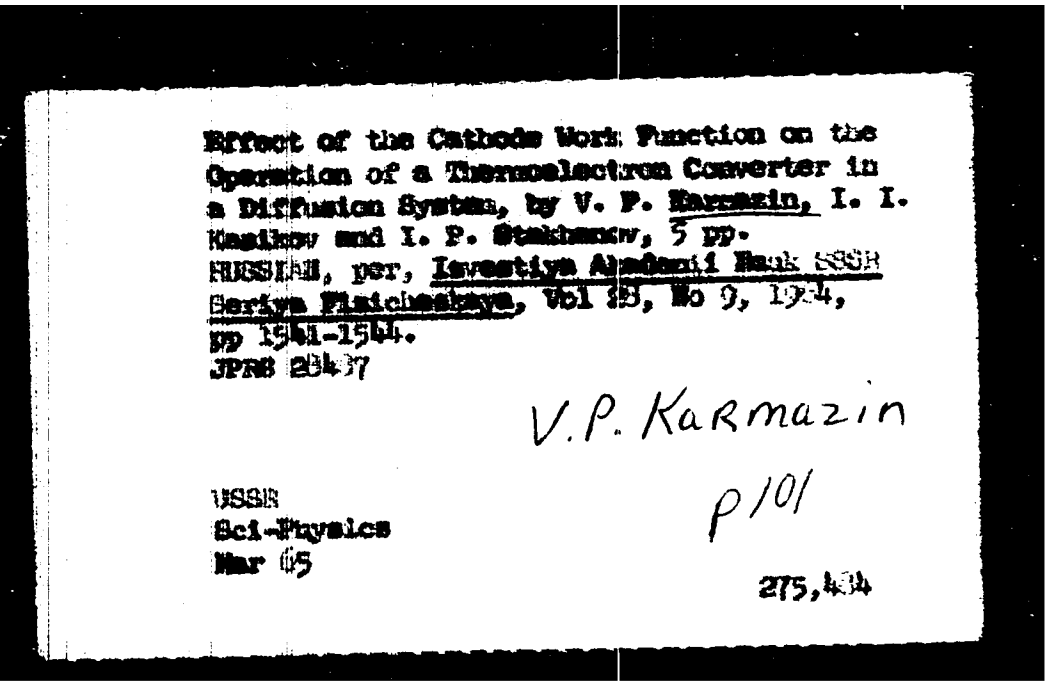

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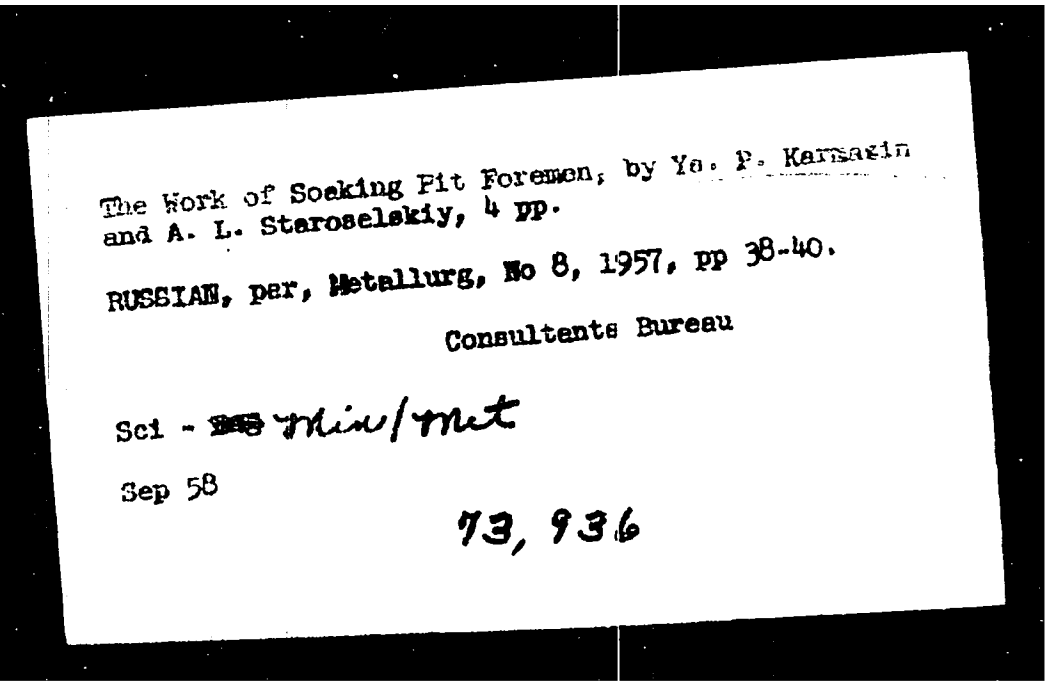

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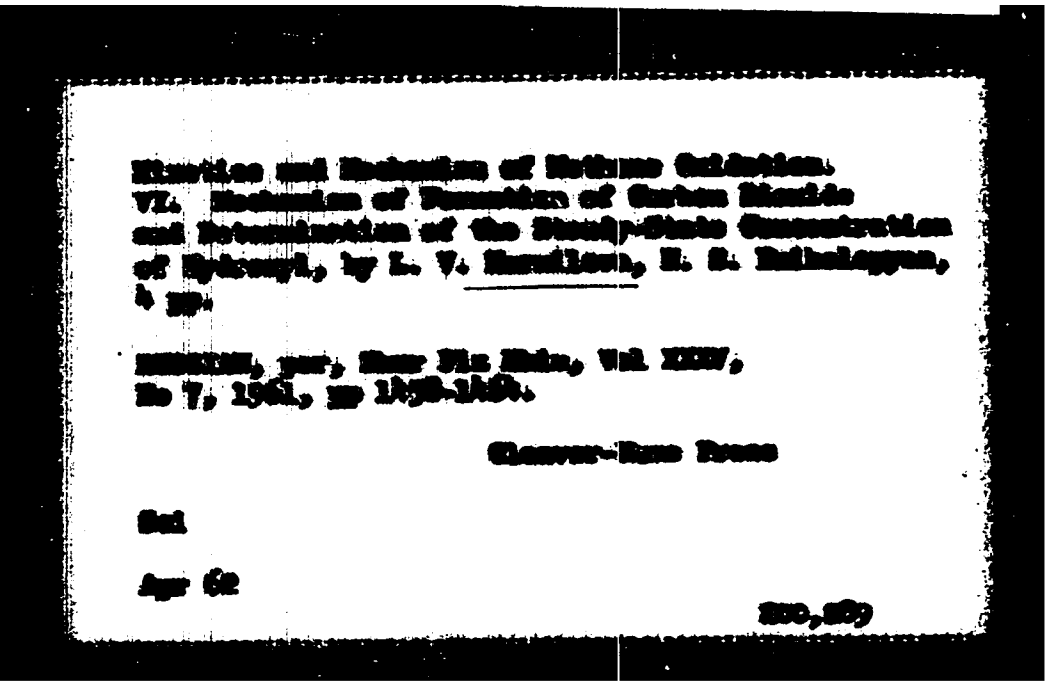

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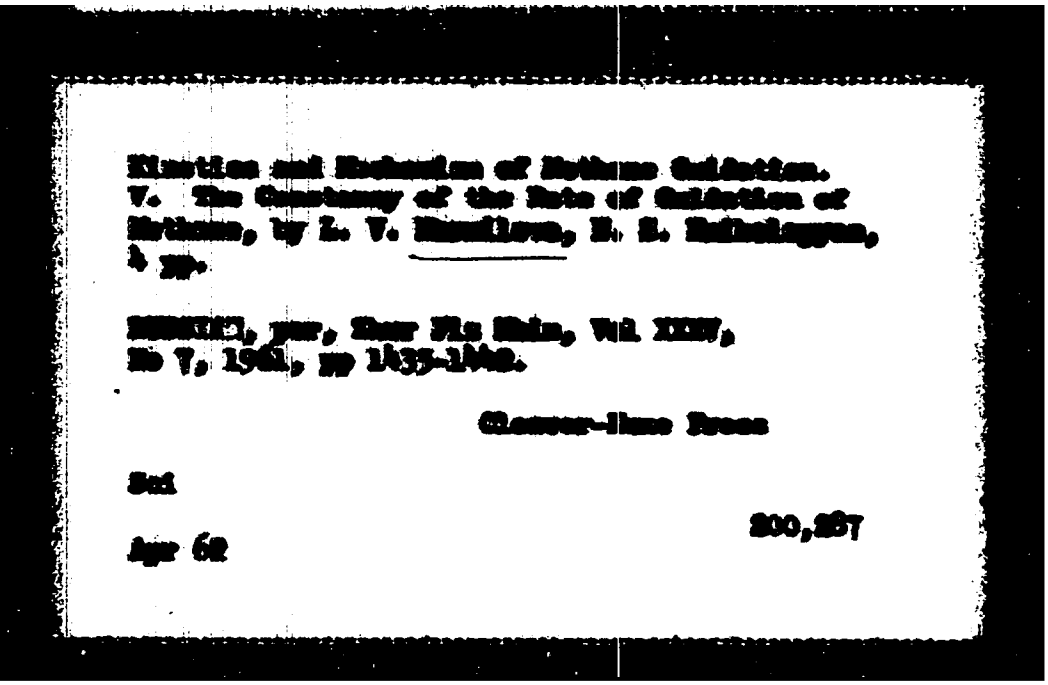

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INVESTIGATION OF THE KINETICS OF THE INITIAL STEP IN THE NITRIC OXIDE-CATALYZED OXIDATION OF METHANE (Issledovaniye Kinetiki Nachal'noy Stadii Okisleniya Metana, Katalizirovannogo Okis'yu Azota). Jan 61 [23]p. 26 refs. RTS 1638. Order from LC or SLA mi$2.70, ph$4.80 61-15637

Trans. of Zhurnal Fizicheskoy Khimii (USSR) 1956, v. 30 [no. 4] p. 798-810.

An experimental investigation is made of the kinetics of the initial step of the high-temperature nitric oxide-catalyzed oxidation of methane on the basis of analysis of the reaction products. Formaldehyde is the main product of the initial step in methane oxidation over a wide range of conditions. Methanol is concurrently formed to a much smaller extent. Participation of oxygen in growth and branching of the oxidation chains is established. The rate of growth of active centres is first order with respect to the NO concentration. (Chemistry--Physical, TT, v. 5, no. 8) (over)

61-15637

1. Methanes--Oxidation
2. Nitrogen oxides--Catalytic properties

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II. Yenikolopyan, N. S.
III. Nalbandyan, A. B.
IV. RTS-1638
V. Department of Scientific and Industrial Research (Gt. Brit.)

Office of Technical Services

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Plasticisation of Natural Rubber in the Presence of Para-tertiary-butylphenol Mercaptan, Dimethylphenylphenylparacresol Mercaptan, Their Zinc Salts and Disulphides, by I. I. Eitingon, B. K. Karmin, V. G. Zhakova, 4 pp.

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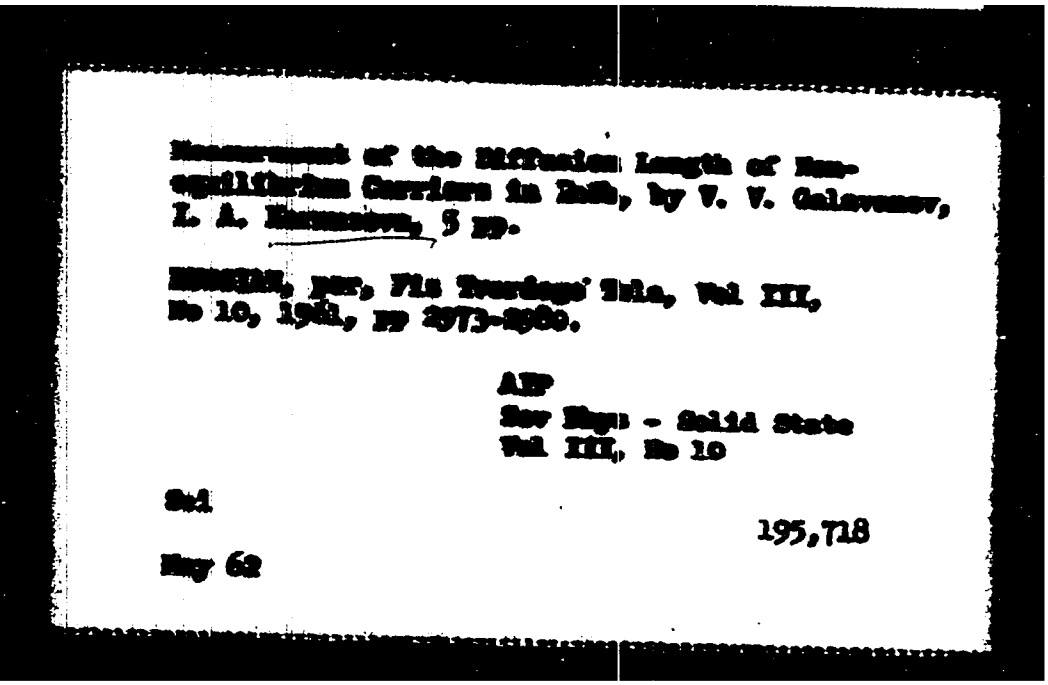

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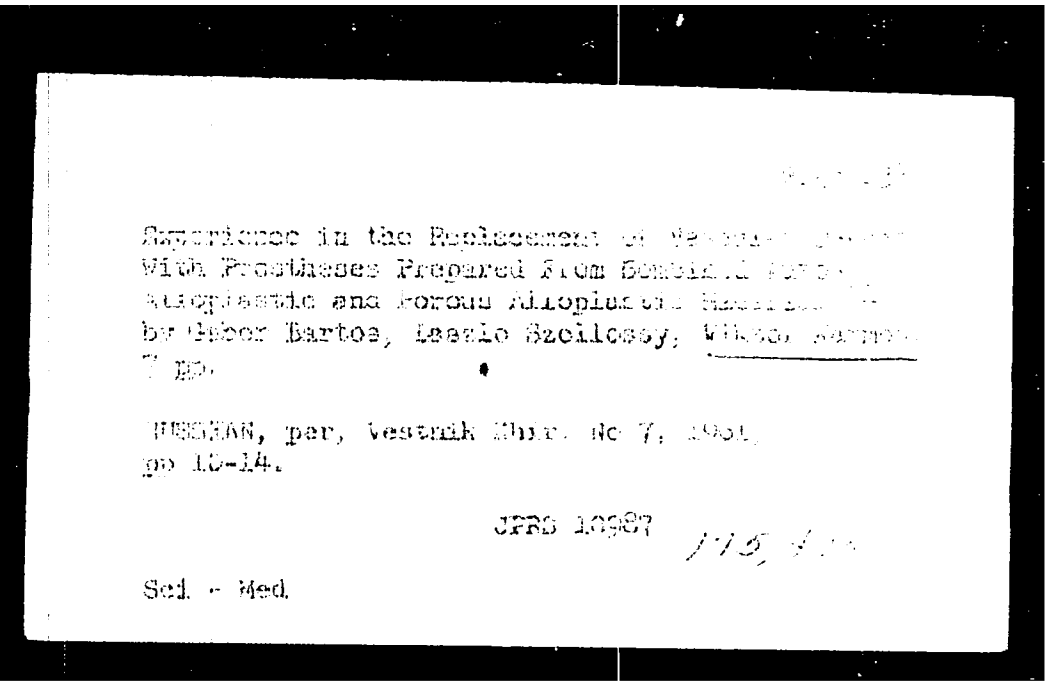

Experience in the Replacement of [illegible]
With Prostheses Prepared from Bonded [illegible]
Alloplastic and Porous Alloplastic [illegible]
by Ibor Bartos, Laszlo Szeilessy, Vilmos [illegible]
7 pp.

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POLYSACCHARIDES OF MAMMALIAN OVARIES IN NORMAL CONDITIONS AND IN ACUTE RADIATION SICKNESS. Given at the Conference on Histochemistry of Polysaccharides, Moscow, 7 May 60. [1963] [12p] 16refs FASEB Manuscript no. : S 170-3.
Order from OTS, SLA, or ETC $1.60 TT-63-24474

Trans. of Tsitologiya (USSR) 1962, v. 4, no. 5, p. 565-570. (Abstract available)

DESCRIPTORS: *Polysaccharides, *Ovary, Glycogen, Mammals, *Radiation sickness, Radiation effects, Histological techniques.

The ovaries of mammals contain glycogen, hyaluronic and chondroitin-sulfuric acids, and specific polysaccharides of the degenerating oocytes, macrophages and giant cells, combined with proteins and lipids. Glycogen in large amounts is found in the cytoplasm of the oocytes
(Biological Sciences--Radiobiology, TT, v. 11, no. 6)
(over)

TT-63-24474

I. Karmysheva, V. Ya.
II. FASEB-S-170-3
III. Federation of American Societies for Experimental Biology, Washington, D. C.
IV. Scripta Technica, Inc., Washington, D. C.
V. Title: Conference...

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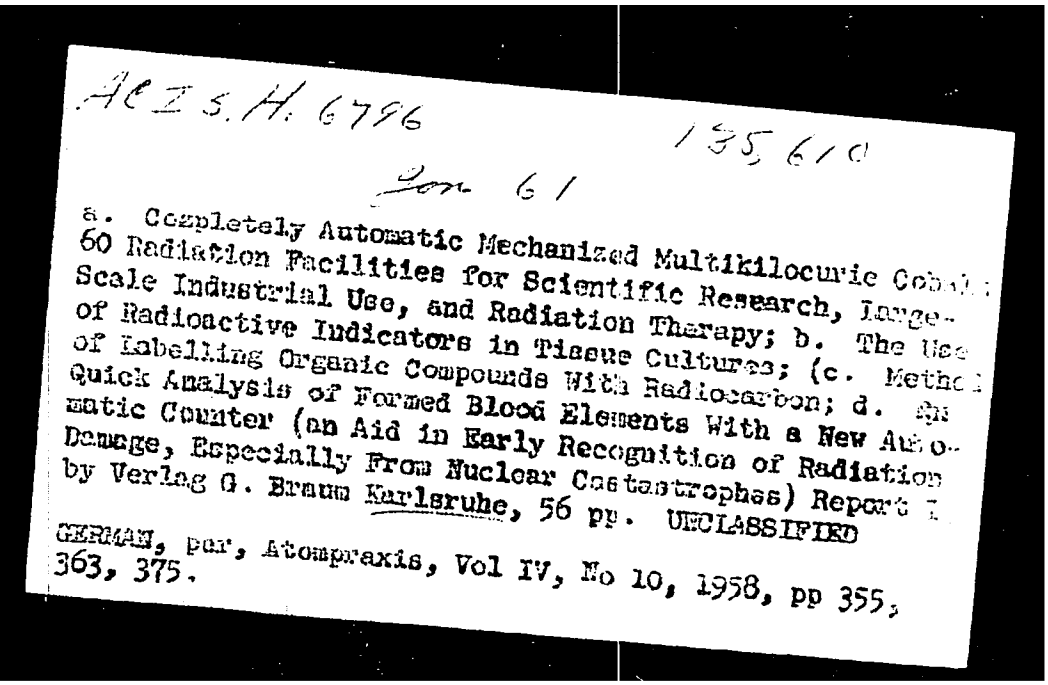

AEC 5.H.6796

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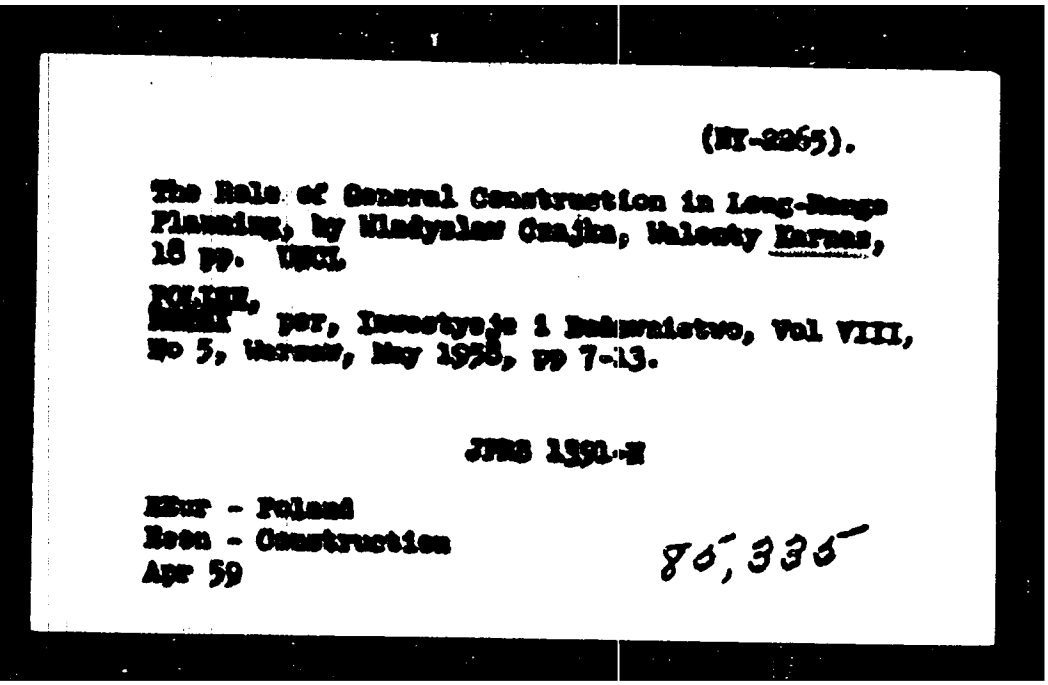

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Karnaukhov, A.P.
METHODES D'ADSORPTION UTILISÉES POUR LA MESURE DE LA SURFACE SPÉCIFIQUE ET DE LA STRUCTURE DES PORES DES CATALYSEURS (Adsorbtsionnye Emtody Izmereniya Udel'noi Poverkhnosti i Struktury por Katalizatorov)(Adsorption Methods for Measuring the Specific Surfaces and the Pore Structures of Catalysts) 41p. (Foreign text included)121 refs. GR-840 Order from OTS, ETC or CNRS $1.45 TT-63-26922

Trans. in French of "Kinetika i Kataliz (USSR) 1962, v.3, no.4, p.583-598.

DESCRIPTORS: *Catalysts, Surfaces, Measurement, Porosity, Structural properties, *Adsorption,

(Chemistry--Physical, TT, v. 11, no. 7)

TT-63-26922

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Corpuscular theory of absorbent structure. III. Simultaneous absorption and capillary condensation. By B. G. Aristov, A. P. Karnaukhov, pp. 5

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Solubility of the Ternary System $NaNO_3$-Na_2HPO_4-H_2O at 25°, by A. V. Nakin, A. S. Karnaukhov; 6 pp.

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Bulletin De L'Academie Des Sciences De L'Urss, Classe des Sci. Tech., 1947, No. 6, 7 figures, 5 tables, 6400 words.

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Investigation of the Ternary Systems $NaNO_3$-NH_4NO_3-H_2O, KNO_3-NH_4NO_3-H_2O, and $NaNO_3$-NH_4NO_3-H_2O Via Methods of Physicochemical Analysis at 25°, by A. S. Kurnakhov, 8 pp.

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Izvestiya Akademii Nauk SSSR, Otd. Tekh. Nauk, 1948, No. 12, pp. 1845-1855; 8 figures, 6 tables, 3900 words.

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Brutcher, Trans. Order No. 2376, 7.7.75

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KFK-tr-148 Uncl.

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C-34 NP RC Dep.(mc); $1.10(fs), $0.80(mf)
N2-10 JCL

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KFK-tr-147 Uncl.

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N2-7

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